

Factors for Determining Resistance at Temperature

Temperature Degrees C	Resistance in ohms
20	1.000
100	1.012
200	1.028
300	1.046
400	1.064
500	1.082
600	1.092
700	1.100
800	1.107
900	1.114
1000	1.123
1100	1.132

Nominal Composition	Nickel Chromium Manganese Silicon Iron Aluminium	60.0% 15.0% 1.5% 1.5% Balance —
Maximum Operating Temperature	Degrees C	1100
Specific Resistance at 20°C	Microhm-cm	112
	Ohms/circular mil-foot	675
	Ohms/square mil-foot	530
Temperature Coefficient of Resistance, Mean Value 20—1000°C	Per degree C	0.00013
Specific Heat	J/kg/°C	450
Thermal Conductivity at 100°C	W/m/°C	13.3
Melting point (approx.)	Degrees C	1390
Coefficient of Linear Expansion, Mean Value 20—1000°C	Per degree C	0.000017
Tensile Strength, Annealed	mN/m ²	750
Density	g/cm ³	8.25

